```
#include <stdio.h>
#include <math.h>
int fact(int n)
{return (n<2)?1:n*fact(n-1);}
int main()
{int n=1;
float st=0, sn=0, a;
double y;
for (float x=0.1; x<=1; x+=0.09)
{y=exp(2*x)-1;
do
{a=pow(2*x,n)/fact(n);
st+=a;
n++;
if (n>20) break;}
while (fabs(a)>0.0001);
for (n=1; n<20; n++)
{a=pow(2*x,n)/fact(n);
sn+=a;}
printf ("x=%1.2f;   y=%1.10f;   y(acc)=%1.10f;   y(n)=%1.10f\n", x,y,st,sn);
st=0; sn=0; n=1;}
return 0;}
```